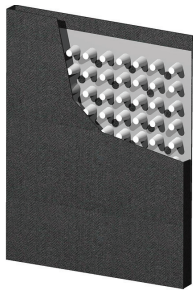


SITEDRAIN™ C-114

PREFABRICATED CHIMNEY DRAIN



PRODUCT OVERVIEW

SITEDRAIN C-114 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-114 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
		N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
		N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
		N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft ²	175	140
		Lpm / m ²	7,130	5,704
CORE				
Compressive Strength	ASTM D6364	psf	11,000	-
	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
		mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	18	-
		Lpm/m	224	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-114-12	12 in	100 ft	30 lbs	16480
C-114-24	24 in	100 ft	50 lbs	14740

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

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